

U.S. PATENT & TRADEMARK OFFICE
MAR 27 2001

ATL-187

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: David N. Roundhill et al.

Art Unit: 3737

Serial No.: 09/247,343

Examiner: Mr. F. Jaworski *7/B 2*
3/29

Filed : February 8, 1999

For : ULTRASONIC DIAGNOSTIC IMAGING WITH
BLENDED TISSUE HARMONIC SIGNALS

I hereby certify that this correspondence is being deposited with the
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Hon. Commissioner of Patents
and Trademarks
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SUPPLEMENT TO AMENDMENT OF MARCH 12, 2001

Dear Sir:

In response to the Notice of March 16, 2001, the
following is a clean version of all of the claims in this
application as amended by the Amendment of March 12, 2001.

B1

1. An ultrasonic diagnostic imaging system for
producing a blended harmonic ultrasonic image of tissue
inside a body, comprising:
means for transmitting ultrasonic energy into the body
at a fundamental frequency;
means, responsive to said transmitted ultrasonic
energy, for receiving ultrasonic echo signals from tissue at
a plurality of depths in the body;
means for separating said echo signals into fundamental
and harmonic frequency components; and
an image processor which produces image signals which
are a blend of proportions of said fundamental and harmonic
frequency components, said proportions being predetermined
to vary with echo signal depth.

29 *B*